

Title (en)

METHOD FOR CONVERTING LOW TEMPERATURE THERMAL ENERGY INTO HIGH TEMPERATURE THERMAL ENERGY AND MECHANICAL ENERGY AND A HEAT PUMP DEVICE FOR SUCH CONVERSION

Title (de)

VERFAHREN ZUR UMWANDLUNG VON NIEDRIGTEMPERATURWÄRMEENERGIE IN HOCHTEMPERATURWÄRMEENERGIE UND MECHANISCHE ENERGIE SOWIE WÄRMEPUMPE VORRICHTUNG EINE DERARTIGE UMWANDLUNG

Title (fr)

PROCÉDÉ DE CONVERSION D'ÉNERGIE THERMIQUE À BASSE TEMPÉRATURE EN ÉNERGIE THERMIQUE À HAUTE TEMPÉRATURE ET EN ÉNERGIE MÉCANIQUE, ET DISPOSITIF DE POMPE À CHALEUR POUR UNE TELLE CONVERSION

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Abstract (en)

[origin: WO2012064208A1] The subject of the present invention is a method in which, during the heat pump's operation, a compressor and a water pump are driven by a heat engine operating in a closed circuit which is supplied with a part of thermal energy extracted by the heat pump from a low temperature heat source, whereas the compressor is driven by an additional engine during the start-up phase. The invention also encompasses the heat pump.

IPC 8 full level

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